

REMARKS

In response to the Official Office Action dated March 18, 2004, corrections have been made to the specification and drawings to correct the informalities noted by the Examiner. The new drawings are enclosed herewith. Additionally, minor amendments have been made to independent claims 1 and 21 to correct inconsistent terminology in those claims.

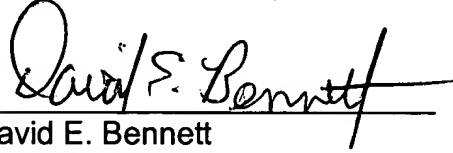
Additionally, new claims 54-78, which include independent claims 54 and 67, have been added. Method claim 54 is similar in scope to claim 21 but combines the steps of forming the bit sequences generating the filtered waveforms into a single bitwise filtering step. Additionally, new claim 54 includes a single combining step corresponding to the two combining steps in claim 21. Claim 67 is an apparatus claim corresponding in scope to new claim 54.

Claims 1-53 in the original application were allowed by the Examiner. Regarding new claim 54 – 78, the prior art cited by the Examiner does not disclose the bitwise filtering of input bits and derived bits and combining the results to form quadrature modulation signals as set forth in new claims 54 – 78. Accordingly, it is believed that the new claims define patentable subject matter.

For the foregoing reasons, it is believed that the present application is in condition for allowance and notice to such effect is respectfully requested.

Respectfully submitted,

COATS & BENNETT, P.L.L.C.

A handwritten signature in black ink, appearing to read "David E. Bennett", written over a horizontal line.

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